

# TRUNG THANH TRAN



[TrungThanhTran](#)



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[trungthanhran.github.io](https://trungthanhran.github.io)

## WORKING EXPERIENCE

- o **Independent Researcher** | 12/2024 - Present
  - Cultural Biases and Fairness in Large Language Models with [Ph.D Tarek Naous](#) at Georgia Institute of Technology
- o **AI Researcher** | [Fatima Fellowship](#) | 08/2024 - Present
  - Developing SOTA techniques to enhance performance and optimise memory for LLMs / LVMs / foundation models on edge devices with [Ph.D Ismet Dagli](#) at Colorado School of Mines
- o **CTO & Co-founder** | [ClientScan Ltd](#) | 01/2023 - Present
  - ClientScan is the leading high-performance face detection application, providing facial recognition and age estimation.
- o **Co-founder** | [Takenote.ai](#) | 06/2023 - Present
  - TakeNote – AI-powered to enhance meeting productivity with accurate transcription, summaries and visualisations.
- o **PM & AI Expert** | Pixta Vietnam | from 2019 - Present
  - Oct 19 – Now:
    - Auto review Photos, Footage, and Illustrations for the Pixta Stock platform 30k daily with > 99% precision, and 70% Recall & replacing humans in reviewing high-quality stock media data.
    - Learning2Rank system for ranking outputs of Pixta Image Search Engine using LightGBM, Lambda Ranking with 5% increment of Conversion Rate (2021)
    - Develop a novel algorithm for automatic annotation based on a Transformer that is 5% better than the Pixta’s current solution (2020)
    - Developed a novel algorithm for diversity problem labelling photos using Multi-modeling, ensemble, and transformer techniques published at [ICICT Conference 2020](#)
- o **Consultant – AI specialist** | Heligate JSC | 08/2020 - 11/2020
  - April 20 – Now:
    - Support the company in building the first AI team
    - Propose solutions for OCR Document classification for the Japanese government
    - Build an open-domain conversation system using the Rasa framework for company business
- o **Scholar** | Pi School – School of AI | Rome, Italy | 10/2018 - 12/2018
  - Oct 2018 – Dec 2018: Make the first voice of Chabot in the energy industrial domain in Italy
- o **Technical leader & AI Engineer** | Panasonic R&D Center | Hanoi, VN | from 2015 to 2018
  - Feb 19 – Sep 19: Face Recognition
    - Arc-Face model with f1-score 95%, and anti-spoofing using 3D images.
  - Jan 16 – Apr 19: Speech/Speaker recognition
    - End2End speech recognition powered by DeepSpeech2; Speaker Identification X-vector, LDA & non-voice detection algorithm – robust to noise environment; A Novel DNN model for a trigger robust to noise and light model for smart speakers.

## EDUCATION

- **Politecnico di Torino** | Torino, Italia | Oct 2013 – Oct 2014  
The 2<sup>nd</sup> Level Specializing Master in Navigation and Related Applications
- **Hanoi University of Science and Technology (HUST)** | Hanoi, VN | Aug 2008 – May 2013  
Engineer of Science in Engineering on Information Technology (**Ranked 1/120** - Awarded to the top 10% at HUST)

## PUBLICATION & CONFERENCE PRESENTATIONS

### o Book Chapters

HT Le-Nguyen, **TT Tran**. "[Charting the Ethical Course: Navigating AI Advancements in Communication Education](#)" In The Role of Generative AI in the Communication Classroom, edited by Sanae Elmoudden, Jason S. Wrench, 214-261. IGI Global, 2024.

HT Le-Nguyen, TT Tran. "[Generative AI in terms of Its ethical problems for both teachers and learners: Striking a balance](#)" In Generative AI in Teaching and Learning, edited by Shalin Hai-Jew, 144-173. IGI Global, 2024.

HT Le-Nguyen, TT Tran. "[Chatbots as Motivational Agents: Chatbots–The Value of a Digital Tool in Pedagogy](#)" In Generative AI in Trends, Applications, and Challenges of Chatbot Technology, edited by Mohammad Amin Kuhail, Bayan Abu Shawar, Rawad Hammad, 137-165. IGI Global, 2023.

### o Papers

Hieu Trong Phung, Anh Tuan Vu, Tung Dinh Nguyen, Lam Thanh Do, Giang Nam Ngo, **Trung Thanh Tran**, Ngoc C. Le, "[MAGNeto: An Efficient Deep Learning Method for the Extractive Tags Summarization Problem](#)"

Truong, M.D, **Tran, T.T**, Nguyen, D.T, La, T.V, Ta, H.T, "*Receiving and decoding of navigation signal of first satellites of Galileo satellite navigation system in Hanoi*", Journal of Vietnamese Science and Technology

Truong, M.D, **Tran, T.T**, Nguyen, D.T, Ta, H.T, "[Recent results in receiving and decoding signals from the Beidou system](#)". International Conference on Localization and GNSS, Torino, Italy, 2013. ISSN -2325 – 0747

**Tran, T.T**, Romero, R., Davis, F, "*Monitoring scintillations effects over Vietnam by means of a GNSS software receiver*", Workshop Communications and Navigations for the Development of Vietnam’s Marine Economy 2014

## ACHIEVEMENT AND AWARDS

- o Scholar at [Pi School](#) - School of Artificial Intelligence Scholarship | Rome, Italy | Oct 2018
- o Co-runner up at [Notarte](#) AI\_Hackathon | Rome, Italy | Oct 2018
- o The United Nations / Italy Long-term Fellowship Award at Politecnico di Torino | Turin, Italy | 2013 – 2014.
- o Summer Scholarship on GNSS, Institute of Positioning, Navigation and Timing of Japan | Tokyo, Japan | 2014
- o Runner up at Research Contest in Information and Communication Technology, HUST | Hanoi, VN | 2013
- o The 1<sup>st</sup> group in Asia announced First Galileo – Only Positioning on Inside GNSS and GPS World | Apr 2013

## MENTORING EXPERIENCE

- o A judge of the Northside of [Hackathon Vietnam AI Grand Challenge](#) 2019 | Hanoi, Vietnam | Jul 2019
- o **Mentoring** Japanese master students from Kyoto Institute Technology and Ritsumeikan University, Japan

## REFERENCES

- **Robin Paine** - CEO & Co-founder ClientScan Ltd | Former CTO of London Stock Exchange  
Email: [robin@clientscan.co.uk](mailto:robin@clientscan.co.uk)
- **Dr. Sébastien Bratières** - Director of AI, School of AI, Translated, Pi Campus, Rome, Italy.  
Member of Machine Learning group at Cambridge University Engineering Department  
Email: [sebastien@picampus-school.com](mailto:sebastien@picampus-school.com)
- **Dr. Tarek Naous** - Georgia Institute of Technology  
Email: [tareknaous@gatech.edu](mailto:tareknaous@gatech.edu)